



PERMIT TO PRACTICE
HATCH LTD.
Signature B. Bruman
Date January 31, 2005
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of the NWT / NU

					MATERIAL TYPE	NOM OP TEMP	P&ID NO.	150-06-0101	CHECKED BY <i>[Signature]</i> DATE <i>3/16/05</i>	DISCIPLINE ENGR. <i>[Signature]</i> DATE <i>3/16/05</i>	AREA 150	LINE NUMBER 150-LD0-200-100-C1D1
					P.W.H.T.	NOM OP PRESSURE	LDT REF		PROJ. DES. COORD. <i>[Signature]</i> DATE <i>3/16/05</i>	PROJ. ENGR. <i>[Signature]</i> DATE <i>3/16/05</i>		
					NDT	INSULATION	PIPE SPEC		PROJ. MGR. <i>[Signature]</i> DATE <i>2005/01/27</i>			
0	FABRICATION CG-501	<i>[Signature]</i>	<i>[Signature]</i>		TEST MEDIA	PAINT SPEC	FAB SPEC				ORG. NO.	150-04-200-C1D1-1
REV.	ISSUE FOR	AUTH. BY	STRESS	DATE	TEST PRESSURE	COLOUR CODE	DESIGN CODE				SHEET 1 OF 1	REV. 0

Shop Materials				BILL OF MATERIALS
Item	Qty	Spec	Size-Size2	Description
1	42145	C1D1	100	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
2	4	C1D1	100	TEE, BE, STD Wt, CS ASTM A350 LF-2, ANSI B16.9
3	8	C1D1	100	FLANGE, WELDING NECK 150 lb R.F., ASTM A350 LF-2, ANSI B16.5
4	1	C1D1	100	FLANGE, BLIND 150 lb R.F., ASTM A350 LF-2, ANSI B16.5
5	1	C1D1	100	VALVE, CL150 RF, OS&Y, ASTM A351 LCC Body, HALF-STELLITE TRIM, Crane Fig. 47LUF
6	5	C1D1	100	GASKET, CL150, 2MM thk., Ring type. GARLOCK FLEXSEAL RWI, ASME B16.20

Item	Size	Pipe Cut-Lengths	Description
A	100	2191	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
B	100	21481	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
C	100	2191	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
D	100	16282	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10

System	Line no	Spool	Spec	Diameter	2ND diam
LDO	200		C101	100	

HATCH

JERICHO DIAMOND PROJECT	PROJECT NUMBER
	316996

AREA	LINE NUMBER
150	150-LD0-200-100-C1D1

DRG. NO.	150-04-200-C101-1	SHEET 1 OF 1	REV. 0
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